

Amendments to the Specification:

Please insert heading beginning at page 1, before FIELD heading:

STATEMENT AS TO FEDERALLY SPONSORED RESEARCH

**Please insert paragraph beginning at page 1, directly under the heading STATEMENT AS TO
FEDERALLY SPONSORED RESEARCH:**

This invention was made with Government support under contract AR47223 awarded by the National Institutes of Health. The Government has certain rights in this invention.

Please replace the paragraph beginning at page 5, paragraph [017] with the following rewritten paragraph:

-- FIG. 2A illustrates the polynucleotide sequence for *Homo sapiens* laminin-related protein (LAMA3; GenBank accession number L34156; ~~SEQ ID NO.: 1~~SEQ ID NO:1);--

Please replace the paragraph beginning at page 5, paragraph [018] with the following rewritten paragraph:

-- FIG. 2B illustrates the amino acid sequence for *Homo sapiens* laminin-related protein (LAMA3; GenBank accession number L34156; ~~SEQ ID NO.: 2~~SEQ ID NO:2);--

Please replace the paragraph beginning at page 5, paragraph [019] with the following rewritten paragraph:

-- FIG. 2C illustrates the polynucleotide sequence for *Homo sapiens* laminin, alpha 3 transcript variant 1 (LAMA3; GenBank NM_198129; ~~SEQ ID NO.: 3~~SEQ ID NO:3);--

Please replace the paragraph beginning at page 5, paragraph [020] with the following rewritten paragraph:

-- FIG. 2D illustrates the amino acid sequence for *Homo sapiens* laminin, alpha 3 transcript variant 1 (LAMA3; GenBank NM_198129; ~~SEQ ID NO.: 4~~SEQ ID NO:4);--

Please replace the paragraph beginning at page 5, paragraph [021] with the following rewritten paragraph:

-- FIG. 2E illustrates the polynucleotide sequence for *Homo sapiens* laminin, alpha 3 transcript variant 2 (LAMA3; GenBank NM_000227 ~~SEQ ID NO: 5~~SEQ ID NO:5);--

Please replace the paragraph beginning at page 6, paragraph [022] with the following rewritten paragraph:

-- FIG. 2F illustrates the amino acid sequence for *Homo sapiens* laminin, alpha 3 transcript variant 2 (LAMA3; GenBank NM_000227 ~~SEQ ID NO: 6~~SEQ ID NO:6);--

Please replace the paragraph beginning at page 6, paragraph [023] with the following rewritten paragraph:

--FIG. 2G illustrates the polynucleotide sequence for *Rattus norvegicus* laminin 5 alpha 3 (LAMA3; GenBank NM_173306; ~~SEQ ID NO: 7~~SEQ ID NO:7);--

Please replace the paragraph beginning at page 6, paragraph [024] with the following rewritten paragraph:

--FIG. 2H illustrates the amino acid sequence for *Rattus norvegicus* laminin 5 alpha 3 (LAMA3; GenBank NM_173306; ~~SEQ ID NO: 8~~SEQ ID NO:8);--

Please replace the paragraph beginning at page 6, paragraph [025] with the following rewritten paragraph:

--FIG. 2I illustrates the polynucleotide sequence for *Mus musculus* laminin, alpha 3 (LAMA3; GenBank XM 140451; ~~SEQ ID NO: 9~~SEQ ID NO:9);--

Please replace the paragraph beginning at page 6, paragraph [026] with the following rewritten paragraph:

--FIG. 2J illustrates the amino acid sequence for *Mus musculus* laminin, alpha 3 (LAMA3; GenBank XM 140451; ~~SEQ ID NO: 10~~SEQ ID NO:10);--

Please replace the paragraph beginning at page 6, paragraph [027] with the following rewritten paragraph:

--FIG. 3A illustrates an exemplary *Homo sapiens* amino acid sequence for the combined G4 and G5 domains (~~SEQ ID NO: 11~~SEQ ID NO:11);--

Please replace the paragraph beginning at page 6, paragraph [028] with the following rewritten paragraph:

--FIG. 3B illustrates an exemplary *Homo sapiens* polynucleotide sequence for the combined G4 and G5 domains (~~SEQ ID NO: 12~~SEQ ID NO:12);--

Please replace the paragraph beginning at page 6, paragraph [029] with the following rewritten paragraph:

--FIG. 3C illustrates an exemplary *Homo sapiens* amino acid sequence for the G5 domain (~~SEQ ID NO: 13~~SEQ ID NO:13);--

Please replace the paragraph beginning at page 6, paragraph [030] with the following rewritten paragraph:

--FIG. 3D illustrates an exemplary *Homo sapiens* polynucleotide sequence for the G5 domain (~~SEQ ID NO: 14~~SEQ ID NO:14);--

Please replace the paragraph beginning at page 6, paragraph [031] with the following rewritten paragraph:

--FIG. 3E illustrates an exemplary *Homo sapiens* amino acid sequence for the G4 subdomain delimited by amino acid 1356 through amino acid 1366 (~~SEQ ID NO: 15~~SEQ ID NO:15);--

Please replace the paragraph beginning at page 6, paragraph [032] with the following rewritten paragraph:

--FIG. 3F illustrates an exemplary *Homo sapiens* polynucleotide sequence for the G4 subdomain delimited by nucleotide 4067 through nucleotide 4099 (~~SEQ ID NO: 16~~SEQ ID NO:16);--

Please replace the paragraph beginning at page 6, paragraph [033] with the following rewritten paragraph:

--FIG. 3G illustrates an exemplary *Homo sapiens* amino acid sequence for the G4 subdomain delimited by amino acid 1375 through amino acid 1390 (~~SEQ ID NO.: 17~~SEQ ID NO:17);--

Please replace the paragraph beginning at page 6, paragraph [034] with the following rewritten paragraph:

--FIG. 3H illustrates an exemplary *Homo sapiens* polynucleotide sequence for the G4 subdomain delimited by nucleotide 4124 through nucleotide 4171 (~~SEQ ID NO.: 18~~SEQ ID NO:18);--

Please replace the paragraph beginning at page 6, paragraph [035] with the following rewritten paragraph:

--FIG. 3I illustrates an exemplary *Homo sapiens* amino acid sequence for the G4 subdomain delimited by amino acid 1399 through amino acid 1529 (~~SEQ ID NO.: 19~~SEQ ID NO:19);--

Please replace the paragraph beginning at page 6, paragraph [036] with the following rewritten paragraph:

--FIG. 3J illustrates an exemplary *Homo sapiens* polynucleotide sequence for the G4 subdomain delimited by nucleotide 4196 through nucleotide 4588 (~~SEQ ID NO.: 20~~SEQ ID NO:20);--

Please replace the paragraph beginning at page 6, paragraph [037] with the following rewritten paragraph:

--FIG. 3K illustrates an exemplary *Homo sapiens* amino acid sequence for a polypeptide spanning the G4 and G5 domain delimited by amino acid 1399 through amino acid 1713 (~~SEQ ID NO.: 21~~SEQ ID NO:21);--

Please replace the paragraph beginning at page 6, paragraph [038] with the following rewritten paragraph:

--FIG. 3L illustrates an exemplary *Homo sapiens* polynucleotide sequence for a polynucleotide spanning the G4 and G5 domain delimited by nucleotide 4196 through nucleotide 5140 (~~SEQ ID NO.: 22~~SEQ ID NO:22);--

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Please replace the paragraph beginning at page 6, paragraph [039] with the following rewritten paragraph:

--FIG. 3M illustrates an exemplary *Homo sapiens* amino acid sequence for a polypeptide spanning the G5 domain delimited by amino acid 1560 through amino acid 1713 (~~SEQ ID NO.: 24~~SEQ ID NO:23);--

Please replace the paragraph beginning at page 6, paragraph [040] with the following rewritten paragraph:

--FIG. 3MN illustrates an exemplary *Homo sapiens* polynucleotide sequence for a polynucleotide spanning the G5 domain delimited by nucleotide 4679 through nucleotide 5140 (~~SEQ ID NO.: 26~~SEQ ID NO:24);--

Please insert the enclosed 76-page text entitled "SEQUENCE LISTING" immediately preceding the claims.